## IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

1. (currently amended) A messaging system, comprising:

a client device having stored therein to store a client application[[,]] which is adapted to be executed by said client device;

a server having stored therein to store a server application[[,]] which is adapted to be executed by said server;

a plurality of wireless networks[[,]] each of which is adapted to[[:]] communicate messages between said client device and said server; and to support one or more wireless network protocols;

a protocol gateway encapsulating a to encapsulate a fundamental network protocol, which underlies said fundamental network protocol to underline each of said one or more wireless network protocols and includes to include a protocol stack that corresponds substantially to an Open System Interconnection (OSI) model and incorporates a simple network transport layer (SNTL); and

a communicator means for communicating to communicate a message between said client application and said server application[[,]] over a selected wireless network protocol through said protocol gateway[[,]] independent of said selected wireless network protocol.

2. (currently amended) The messaging system according to claim 1, wherein:

said SNTL maps to layer 4 of said OSI model.

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3. (original) The messaging system according to claim 1, wherein said protocol stack further comprises:

an application layer mapped to layer 7 of said OSI model;

a network layer mapped to layer 3 of said OSI model;

a data link layer mapped to layer 2 of said OSI model; and

a physical layer mapped to layer 1 of said OSI model.


4. (currently amended) The messaging system according to claim 3, wherein:

said application layer comprises ~~means for providing~~ an interface between a client application and said SNTL; and

~~such that~~ said client application is adapted to send and receive messages across said plurality of wireless networks without having any ~~knowledge~~ information of a communication implementation.


5. (currently amended) The messaging system according to claim 4, wherein:

said client application is selected from ~~the~~ a group consisting of one or more e-mail applications, one or more file transfer applications, and a plurality of end user applications.


6. (currently amended) The messaging system according to claim 3, wherein:

said network layer comprises means for providing network protocol layer functionality and hiding ~~the~~ details of said functionality from said SNTL.


7. (currently amended) The messaging system according to claim 6, wherein:

said network layer comprises an Internet Protocol (IP).

8. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are together adapted to comply with a public switch telephone network protocol.

9. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are together adapted to comply with a cellular digital packet data protocol.

10. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are together adapted to comply with a Mobitex protocol.

11. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are together adapted to comply with a RIM protocol.

12. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are together adapted to comply with an ARDIS protocol.

13. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are adapted to comply with a GPRS protocol.

14. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are adapted to comply with a GSM protocol.

15. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are adapted to comply with said selected wireless network protocol.

16. (currently amended) The messaging system according to claim 3, wherein:

said data link layer and said physical layer are adapted to comply with a wireless network protocol selected from ~~the~~ a group ~~consisting of~~ comprising a public switch telephone network protocol, a cellular digital packet data protocol, a Mobitex protocol, an ARDIS protocol, a RIM protocol, a GPRS protocol, and a GSM protocol.

17. (currently amended) The messaging system according to claim 1, wherein:

said SNTL includes a connectionless UDP-like transport protocol having substantially all ~~of the~~ features and advantages of TCP.

18. (currently amended) The messaging system according to claim 17, wherein:

said features are selected from ~~the~~ a group ~~consisting of~~ comprising message segmentation, message segment reassembly, message retries, and message duplication.

19. (currently amended) The messaging system according to claim 17, wherein:

said SNTL includes a transport header having a preselected width.

20. (currently amended) The messaging system according to claim 19, wherein:

said preselected width comprises ~~about~~ between four to six bytes.

21. (currently amended) The messaging system according to claim 19, further comprising:

~~comprises~~ a single segment message header.

22. (currently amended) The messaging system according to claim 19, further comprising:

~~comprises~~ a multiple segment message header.

23. (currently amended) The messaging system according to claim 19, wherein said transport header further comprises:

a first field adapted to indicate a version number of a segment header;

a second field adapted to indicate a message identification value, ~~which is~~ adapted to discard segment/message duplications and to match acknowledgments with messages;

a third field adapted to indicate protocol information;

a fourth field adapted to indicate a total number of bytes contained in a message segment to be sent including said segment header; and

a fifth field adapted to indicate a number of each said message segment.

24. (currently amended) The messaging system according to claim 23, wherein:

said first field comprises two bits.

25. (currently amended) The messaging system according to claim 23, wherein:

said first field comprises bit 0 and bit 1 of a first word in said segment header.

26. (currently amended) The messaging system according to claim 23, wherein:

said first field comprises a value of from 0 to 3.

27. (currently amended) The messaging system according to claim 23, wherein:

said second field comprises thirteen bits.

28. (currently amended) The messaging system according to claim 23, wherein:

said second field comprises bits 2 through 14 of a first word in said segment header.

29. (currently amended) The messaging system according to claim 23, wherein:

said second field comprises a value of from 0 to 8,192.

30. (currently amended) The messaging system according to claim 23, wherein:

said third field comprises five bits.

31. (currently amended) The messaging system according to claim 23, wherein:

said third field comprises bits 15 through 19 of a first word in said segment header.

32. (currently amended) The messaging system according to claim 23, wherein:

bit 19 of said third field comprises a value indicative of message segmentation.

33. (currently amended) The messaging system according to claim 32, wherein:

bit 19 comprises a value of 0 where the when said message is not segmented.

34. (currently amended) The messaging system according to claim 32, wherein:

bit 19 comprises a value of 1 where the when said message is segmented.

35. (currently amended) The messaging system according to claim 23, wherein:

bit 16 of said third field comprises a value indicative of a message type.

36. (currently amended) The messaging system according to claim 35, wherein:

bit 16 comprises a value of 0 where the when said message includes a positive acknowledgment.

37. (currently amended) The messaging system according to claim 35, wherein:

bit 16 comprises a value of 1 where the when said message includes a negative acknowledgment.

38. (currently amended) The messaging system according to claim 23, wherein:

bit 15 of said third field comprises a message indicator.

39. (currently amended) The messaging system according to claim 38, wherein:

bit 15 comprises a value of 0 ~~where the~~ when said message is an application message.

40. (currently amended) The messaging system according to claim 38, wherein:

bit 15 comprises a value of 1 ~~where the~~ when said message is a system message.

41. (currently amended) The messaging system according to claim 23, wherein:

said fourth field comprises twelve bits.

42. (currently amended) The messaging system according to claim 41, wherein:

said fourth field comprises bits 20 through 31 of a second word in said segment header.

43. (currently amended) The messaging system according to claim 42, wherein:

said fourth field comprises a value of from 4 to 4,096.

44. (currently amended) The messaging system according to claim 23, wherein:

said fifth field comprises eight bits.

45. (currently amended) The messaging system according to claim 44, wherein:

said fifth field comprises bits 0 through 7 of a third word in said segment header.

46. (currently amended) The messaging system according to claim 44, wherein:

said fifth field comprises a value of from 2 to 255.

47. (currently amended) The messaging system according to claim 23, wherein:

said fifth field is adapted to re-order a plurality of message segments into a single complete message.